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ABSTRACT

- A wiring board comprising a dielectric substrate, a signal transmission line formed on one surface of said dielectric substrate, a grounded layer formed on the other surface of said dielectric substrate, and a connection portion for connecting the signal transmission line to a waveguide, the connection portion being formed on the grounded layer; wherein,
- 10 said grounded layer has a slot at a position opposed to an end of said signal transmission line; and
- said connection portion includes a first dielectric portion formed so as to cover the slot of said ground layer, a second dielectric portion laminated on said first
- 15 dielectric portion, and a patched conductor provided at a position opposed to said slot on an interface between the first dielectric portion and the second dielectric portion.
- 20 The wiring board enables the signals to be efficiently transmitted from the signal transmission line to the waveguide permitting a small loss and a small reflection.

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